PCT

REQUEST

For receiving Office use only	
International Application No.	
International Filing Date	_
Name of receiving Office and "PCT International Application"	

	International Filing Dat	e			
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"				
	Applicant's or agent's file reference (if desired) (12 characters maximum) UPN-P3230PCT				
Box No. I TITLE OF INVENTION ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING SAME, AND LISES THEREFOR					
	n is also inventor				
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)		Telephone No. 215-573-4508			
	•	Facsimile No. 215-898-9519			
The Trustees of the University of Pennsylv 3160 Chestnut Street Suite 200	Z 13-696-95 19 Teleprinter No.				
Philadelphia, Pennsylvania 19104 US	Applicant's registration No. with the Office				
State (that is, country) of nationality: US State (that is, country) US		of residence:			
This person is applicant for the purposes of: all designated States All designated the United S		the United States the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)				
Name and address: (Family name followed by given name; for a legal entitle address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residence. Wilson, James M. 1350 N. Avignon Drive Gladwyne, Pennsylvania 19035 US	the address indicated in this nce is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office			
State (that is, country) of nationality: US	State (that is, country) US	of residence:			
		the United States of America only the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated	on a continuation sheet.				
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE					
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	s as:	agent common representative			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) Telephone No. 215-540-9200					
Kodroff, Cathy A. Howson and Howson		Facsimile No.			
Spring House Corporate Center	215-540-5818 Teleprinter No.				
P.O. Box 457	Totoprimer 140.				
Spring House, Pennsylvania 19477 US	Agent's registration No. with the Office 33,980				
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.					

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence Gao, Guangping	This person is: applicant only applicant and inventor		
408 Yorkshire Road		inventor only (If this check-box is marked, do not fill in below.)	
Rosemont, Pennsylvania 19010 US	Applicant's registration No. with the Office		
State (that is, country) of nationality: US			
This person is applicant all designated for the purposes of:	States except tes of America	the United States of America only the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence Alvira, Mauricio R. 4417 Pine Street Apt. 203 Philadelphia, Pennsylvania 19104 US	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality:) of residence:		
US	US	the United States the States indicated in	
This person is applicant for the purposes of: all designated the United States all designated the United States	States except ates of America	of America only the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entitude address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence and name of the applicant's State of the Box is the applicant's State (that is, country) of residence if no State of residence and name of the applicant's State of the Box is the applicant of the Box is the applicant of the Box is the applicant's State of the Box is the applicant of the B	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality: BE State (that is, country) US		y) of residence:	
This person is applicant all designated all designate for the purposes of:	d States except tates of America	the United States of America only the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen	he address indicated in this		
State (that is, country) of nationality:	State (that is, country	y) of residence:	
	d States except tates of America	the United States of America only the Supplemental Box	
Further applicants and/or (further) inventors are indicated on another continuation sheet.			

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which
 a special continuation box is provided, the space is insufficient
 to furnish all the information: in such case, write "Continuation
 of Box No...." (indicate the number of the Box) and furnish the
 information in the same manner as required according to the
 captions of the Box in which the space was insufficient, in
 particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If the applicant intends to make an indication of the wish that the international application be treated, in certain designated States, as an application for a patent of addition, certificate of addition, inventor's certificate of addition or utility certificate of addition: in such a case, write the name or two-letter code of each designated State concerned and the indication "patent of addition," "certificate of addition," "inventor's certificate of addition," the number of the parent application or parent patent or other parent grant and the date of grant of the parent patent or other patent grant or the date of filing of the parent application (Rules 4.11 (a)(iii) and 49bis.1(a) or (b)).
- 3. If the applicant intends to make an indication of the wish that the international application be treated, in the United States of America, as a continuation or continuation-in-part of an earlier application: in such a case, write "United States of America" or "US" and the indication "continuation" or "continuation-in-part" and the number and the filing date of the parent application (Rules 4.11(a)(iv) and 49bis.1(d)).

"Continuation of Box No. IV"

Kita, Stanley B., Reg. No. 24,561 Smith, Jr., George A., Reg. No. 24,442 Bak, Mary E., Reg. No. 31,215 Bak, William, Reg. No. 37,277 Duminiak, Robert J., Reg. No. 51,636 Palovich, Tracy, Reg. No. 47,840 (patent agent)

All above attorneys are members of the firm of Howson and Howson.

Address of all is indicated in Box No. IV.

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Box No. V DESIGNAT	IONS				
The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.				e PCT on the international ional and national patents.	
However,					
DE Germany is not de	esignated for any kind of nation	onal protection			
KR Republic of Korea	is not designated for any kir	nd of national protection			
RU Russian Federation	n is not designated for any ki	ind of national protection			
the national law, of an earlie	be used to exclude (irrevocable or national application from w. s in these and certain other St	hich priority is claimed. S			
Box No. VI PRIORITY	CLAIM				
The priority of the following	earlier application(s) is hereb	y claimed:			
Filing date	Number of action application	Where earlier application is:			
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
item (1) 30 September 2003 (30/09/03)	60/508,226	United States			
item (2) 29 April 2004 (29/04/04)	60/566,546	United States			
item (3)					
Further priority claims	are indicated in the Suppleme	ntal Box.			
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:					
all items it	em (1) item (2	item (3)	other, se	ee Supplemental Box	
* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):					
Box No. VII INTERNAT	TIONAL SEARCHING AUT	ΓHORITY			
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):					
ISA / . E.P				•••••	
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):					
Date (day/month/year)	Numb	per Coun	atry (or regional Office)		
Box No. VIII DECLARA	TIONS	747.01			
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration): Number of declarations					
Box No. VIII (i)	Declaration as to the identi-	ty of the inventor		:	
Box No. VIII (ii) Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :					
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :				:	
Box No. VIII (iv) Declaration of inventorship (only for the purposes of the designation of the United States of America):				:	
Box No. VIII (v)	Declaration as to non-prej	udicial disclosures or exce	ptions to lack of novelty	:	

Sheet No.5...

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application contains:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in	Number of items			
(a) in paper form, the following number of sheets:	right column the number of each item):	. 4			
request (including declaration sheets) : 5	1. X fee calculation sheet	: '			
description (excluding	2. original separate power of attorney	:			
sequence listing and/or	3. original general power of attorney	•			
tables related thereto) : 64	4. ★ copy of general power of attorney; reference number, if any:	: , 1			
claims : 14	5. statement explaining lack of signature	:			
abstract : 1	6. priority document(s) identified in Box No. VI as				
drawings : 125	item(s):	:			
Sub-total number of sheets: 209 sequence listing: 365	7. Translation of international application into (language):				
tables related thereto :	8. separate indications concerning deposited microorganism				
(for both, actual number of sheets if filed in paper form,	or other biological material	: 1			
whether or not also filed in computer readable form;	9. Solution sequence listing in computer readable form (indicate type and number of carriers)				
see (c) below)	 (i) Copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application): 1			
Total number of sheets : 574	(ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the				
(b) only in computer readable form (Section 801(a)(i))	additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:			
(i) sequence listing	(iii) together with relevant statement as to the identity of the copy o copies with the sequence listing mentioned in left column	r , 1			
(ii) ☐ tables related thereto (c) ☐ also in computer readable form	10. tables in computer readable form related to sequence listing				
(Section 801(a)(ii))	(indicate type and number of carriers) (i) □ copy submitted for the purposes of international search under				
(i) ☐ sequence listing (ii) ☐ tables related thereto	Section 802(b-quater) only (and not as part of the international application)	١ .			
Type and number of carriers (diskette,	(ii) \(\sigma\) (only where check-box (b)(ii) or (c)(ii) is marked in left column)				
CD-ROM, CD-R or other) on which are contained the	additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:			
sequence listing: . 1. diskette	(iii) together with relevant statement as to the identity of the copy of				
☐ tables related thereto:	copies with the tables mentioned in left column	:			
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. 🗹 other (specify): . transmittal letter to the USRO	: 1			
	L				
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English				
Box No. X SIGNATURE OF APPLICAN	T, AGENT OR COMMON REPRESENTATIVE	the recuest			
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request). By: Cathy A. Kodroff Attorney for the Applicants					
	For receiving Office use only				
Date of actual receipt of the purported international application:	2. Drav				
Corrected date of actual receipt due to later timely received papers or drawings complet the purported international application:	but	eived:			
4. Date of timely receipt of the required corrections under PCT Article 11(2):	not	received:			
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid				
For International Bureau use only					
Date of receipt of the record copy by the International Bureau:					